



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 6021

SERIAL NUMBER 10/531,772	FILING OR 371(c) DATE 04/19/2005 RULE	CLASS 709	GROUP ART UNIT 2157	ATTORNEY DOCKET NO. 20030076-US
------------------------------------	---	---------------------	-------------------------------	---

APPLICANTS

Thomas P. McElwain, Merrimack, NH;

**** CONTINUING DATA *******

This application is a 371 of PCT/US03/38190 11/25/2003
 which claims benefit of 60/462,657 04/14/2003

**** FOREIGN APPLICATIONS *******

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY NH	SHEETS DRAWING 6	TOTAL CLAIMS 30	INDEPENDENT CLAIMS 6
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature	Initials		

ADDRESS

42716

TITLE

Joint symbol, amplitude, and rate estimator

FILING FEE RECEIVED 1700	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
--	---	--